

## Chapter 13 Genetic Engineering

## Section Review 13-1

### Reviewing Key Concepts

**Completion** On the lines provided, complete the following sentences using these terms: mutations, generation, organisms, selective breeding, genetic variation, traits, and genetic variability.

In the process of \_\_\_\_\_, animals are bred to produce  
 1. \_\_\_\_\_  
 desired \_\_\_\_\_ in the next \_\_\_\_\_ of  
 2. \_\_\_\_\_ 3. \_\_\_\_\_  
 \_\_\_\_\_, such as dogs and horses.  
 4. \_\_\_\_\_

Breeders can increase the \_\_\_\_\_ in a population by  
 5. \_\_\_\_\_  
 inducing \_\_\_\_\_, which are the source of \_\_\_\_\_  
 6. \_\_\_\_\_ 7. \_\_\_\_\_

### Reviewing Key Skills

**8. Applying Concepts** How can hybridization be used to produce plants with characteristics needed to increase food production?

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**9. Comparing and Contrasting** Describe a benefit and a drawback of inbreeding.

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**10. Inferring** Explain why offspring of plants exposed to radiation may have characteristics not found in the original population.

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